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ILE 'MEDLINE' ENTERED AT 11:14:28 ON 30 APR 2007

FILE 'BIOSIS' ENTERED AT 11:14:28 ON 30 APR 2007
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=> s activin receptor type II
L1          308 ACTIVIN RECEPTOR TYPE II

=> s GDF 8
L2          104 GDF 8

=> s l1 and l2
L3            0 L1 AND L2

=> s l1 and muscle
L4           21 L1 AND MUSCLE

=> s l4 and dystrophy
L5            0 L4 AND DYSTROPHY

=>
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Can Ht 10/689,627
AU
STN
4/30/07

ILE 'CAPLUS' ENTERED AT 11:16:26 ON 30 APR 2007
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FILE COVERS 1907 - 30 Apr 2007 VOL 146 ISS 19
FILE LAST UPDATED: 29 Apr 2007 (20070429/ED)

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http://www.cas.org/infopolicy.html

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=> E WOLFMAN NEIL M/IN 25
E1            3     WOLFMAN KOBY/IN
E2            3     WOLFMAN NEIL/IN
E3           21 --> WOLFMAN NEIL M/IN
E4            3     WOLFMAN NEIL MICHAEL/IN
E5            1     WOLFMEYER HOWARD J/IN
E6            1     WOLFMUELLER KARLHEINZ DIPL ING/IN
E7            1     WOLFNER A W/IN
E8            3     WOLFNER ALFRED S/IN
E9           10     WOLFNER ANDRAS/IN
E10           1     WOLFNER GYULA/IN
E11           1     WOLFNER MARIANA F/IN
E12           1     WOLFNER TARSA/IN
E13           1     WOLFORD C H/IN
E14           2     WOLFORD DON S/IN
E15           1     WOLFORD EDWARD/IN
E16           1     WOLFORD GERALD/IN
E17           7     WOLFORD JAMES/IN
E18           1     WOLFORD JAMES A/IN
E19           2     WOLFORD JAMES B/IN
E20           1     WOLFORD JEFF W/IN
E21           2     WOLFORD L T/IN
E22          19     WOLFORD LIONEL T/IN
E23           1     WOLFORD LIONEL THOMAS/IN
E24           1     WOLFORD ROBERT RUSSELL/IN
E25           1     WOLFORD THOMAS L/IN

=> S (E3) AND (GDF, ACTRIIB, MUSCLE)
            21 "WOLFMAN NEIL M"/IN
           612 GDF
            45 GDFS
           635 GDF
                 (GDF OR GDFS)
            94 ACTRIIB
        330926 MUSCLE
         75795 MUSCLES
        347695 MUSCLE
                 (MUSCLE OR MUSCLES)
             0 GDF, ACTRIIB, MUSCLE
                 (GDF(W)ACTRIIB(W)MUSCLE)
```

```
L6            0 ("WOLFMAN NEIL M"/IN) AND (GDF, ACTRIIB, MUSCLE)

=> S (E3) AND (GDF, ACTRIIB)
             21 "WOLFMAN NEIL M"/IN
            612 GDF
             45 GDFS
            635 GDF
                   (GDF OR GDFS)
             94 ACTRIIB
              0 GDF, ACTRIIB
                   (GDF(W)ACTRIIB)
L7            0 ("WOLFMAN NEIL M"/IN) AND (GDF, ACTRIIB)

=> S (E3) AND (GDF-8 )
             21 "WOLFMAN NEIL M"/IN
            612 GDF
             45 GDFS
            635 GDF
                   (GDF OR GDFS)
        2819911 8
            103 GDF-8
                   (GDF(W)8)
L8            8 ("WOLFMAN NEIL M"/IN) AND (GDF-8 )

=> S (E3) AND (GDF-8, ACTIVIN)
             21 "WOLFMAN NEIL M"/IN
            612 GDF
             45 GDFS
            635 GDF
                   (GDF OR GDFS)
        2819911 8
           4327 ACTIVIN
            503 ACTIVINS
           4392 ACTIVIN
                   (ACTIVIN OR ACTIVINS)
              1 GDF-8, ACTIVIN
                   (GDF(W)8(W)ACTIVIN)
L9            1 ("WOLFMAN NEIL M"/IN) AND (GDF-8, ACTIVIN)

=> DIS L9 1 TI

L9   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2007 ACS on STN
TI   Activin type II receptor extracellular domain fusion with Fc fragment of
     antibody for inhibiting GDF-8 and uses in treating degenerative disorders
     of muscle, bone, or glucose homeostasis.


=> DIS L9 1 IBIB IABS
THE ESTIMATED COST FOR THIS REQUEST IS 2.83 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L9   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2004:392568  CAPLUS
DOCUMENT NUMBER:          140:401354
TITLE:                    Activin type II receptor extracellular domain fusion
                          with Fc fragment of antibody for inhibiting GDF-8 and
                          uses in treating degenerative disorders of muscle,
                          bone, or glucose homeostasis.
INVENTOR(S):              Wolfman, Neil M.; Bouxsein, Mary L.
PATENT ASSIGNEE(S):       Wyeth, John, and Brother Ltd., USA
SOURCE:                   PCT Int. Appl., 75 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
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FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2004039948	A2	20040513	WO 2003-US31516		20031024
WO 2004039948	A3	20060727			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
US 2004223966	A1	20041111	US 2003-689677		20031022
CA 2501180	A1	20040513	CA 2003-2501180		20031024
AU 2003279817	A1	20040525	AU 2003-279817		20031024
BR 2003015645	A	20050830	BR 2003-15645		20031024
EP 1572961	A2	20050914	EP 2003-773145		20031024
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
JP 2006516886	T	20060713	JP 2004-548352		20031024
PRIORITY APPLN. INFO.:			US 2002-421041P	P	20021025
			WO 2003-US31516	W	20031024

ABSTRACT:
The activin type II receptor ActRIIB extracellular domain is fused with Fc fragment of antibodies. The invention provides protein sequences of human activin type II receptor ActRIIB and GDF-8 (growth differentiation factor-8). The fusion protein inhibits growth and differentiation factor-8 (GDF-8) activity in vitro and in vivo. The methods and composition can be used for diagnosing, preventing, or treating degenerative disorders of muscle, bone, or glucose homeostasis.

=> E BOUXSEIN MARY L/IN 25

E1	1		BOUXIN MAURICE/IN
E2	1		BOUXSEIN MARY/IN
E3	1	-->	BOUXSEIN MARY L/IN
E4	20		BOUY PIERRE/IN
E5	1		BOUYASOUNOUSE BERNARD/IN
E6	1		BOUYE JEAN MICHEL/IN
E7	1		BOUYER BERNARD/IN
E8	1		BOUYER CHRISTIAN/IN
E9	2		BOUYER DONALD H/IN
E10	1		BOUYER ETIENNE/IN
E11	1		BOUYER FABRICE/IN
E12	1		BOUYER JEAN MARCEL/IN
E13	1		BOUYER PHILIPPE/IN
E14	1		BOUYETT NOEL/IN
E15	2		BOUYGE JEAN MICHEL/IN
E16	1		BOUYGUES ISABELLE/IN
E17	1		BOUYGUES JEAN/IN
E18	1		BOUYGUES MARTIN/IN
E19	1		BOUYJOU GUY/IN
E20	1		BOUYONNET VINCENT/IN
E21	1		BOUYOUCOS GEORGE J/IN
E22	1		BOUYOUCOS J/IN
E23	1		BOUYSSARIE FRANCOIS/IN
E24	1		BOUYSSOU MICHEL/IN
E25	30		BOUYSSOU THIERRY/IN

```
=> S (E3) AND (GDF-8, ACTIVIN)
             1 "BOUXSEIN MARY L"/IN
           612 GDF
            45 GDFS
           635 GDF
                 (GDF OR GDFS)
       2819911 8
          4327 ACTIVIN
           503 ACTIVINS
          4392 ACTIVIN
                 (ACTIVIN OR ACTIVINS)
             1 GDF-8, ACTIVIN
                 (GDF(W)8(W)ACTIVIN)
L10          1 ("BOUXSEIN MARY L"/IN) AND (GDF-8, ACTIVIN)

=> DIS L10 1 TI

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     WO 2004039948         A3    20060727
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
             GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
             LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
             OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
             TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2004223966         A1    20041111    US 2003-689677           20031022
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     AU 2003279817         A1    20040525    AU 2003-279817           20031024
     BR 2003015645         A     20050830    BR 2003-15645            20031024
     EP 1572961            A2    20050914    EP 2003-773145           20031024
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

JP 2006516886	T	20060713	JP 2004-548352		20031024
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=>

WEST Search History

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DATE: Monday, April 30, 2007

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ		
☐	L9	L8 and @py<2002	3
☐	L8	L7 and py@<2003	22
☐	L7	L6 and muscle	22
☐	L6	L5 and gdf-8	23
☐	L5	activin receptor	433
☐	L4	activin receptor type II B	0
	DB=USPT,PGPB; PLUR=YES; OP=ADJ		
☐	L3	BOUXSEIN-MARY-L!	2
☐	L2	WOLFMAN-NEIL-M!	31
☐	L1	WOLFMAN-NEIL-M!	31

END OF SEARCH HISTORY

Case # 10/689,677
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AU
4/30/07